#### **PATENT COOPERATION TREATY**

CHTSUKA PAT

From the INTERNATIONAL SEARCHING AUTHORITY

To: OHTSUKA, Yasunori

7th FL., SHUWA KIOICHO PARK BLDG., 3-6, KIOICHO, CHIYODA-KU, Tokyo 1020094 Japan

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing (day/month/year)

16.11.2004

Applicant's or agent's file reference

P204-0294WO

International application No.

PCT/JP 2004 / 011644

FOR FURTHER ACTION See paragraphs 1 and 4 below

International filing date (day/month/year)

06.08.2004

**Applicant** 

ÇA	NON KABUSHIKI KAISHA
1.	The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.
	Filing of amendments and statement under Article 19:  The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):
	When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.
	Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35
	For more detailed instructions, see the notes on the accompanying sheet.
2.	The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.
3.	With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:
	the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.
	no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.
' <b>4</b> . J	Reminders:
]	shortly after the expiration of 18 months from the priority date, the international application will be published by the international Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international pplication, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, refore the completion of the technical preparations for international publication.
ć	Vithin 19 months from the priority date, but only in respect of some degignated Offices, a demand for international preliminary xamination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority ate (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed cts for entry into the national phase before those designated Offices.
I r	n respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 nonths.
S	ee the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Fuide, Volume II, National Chapters and the WIPO Internet site.

Name and mailing address of the ISA/JP

Authorized officer

3109

Japan Patent Office

Commissioner of the Patent Office

3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan

Telephone No. +81-3-3581-1101 Ext. 3221

# MP20 Roc'd FCT/PTO 03 FEB 2006

#### **ATTENTIONS**

- 1. An applicant should pay attention that there is an amendment period for requesting to International Bureau computing from the dispatch date of the international search report under Treaty Article 19 (1) and Regulations 46.1.
- 2. An applicant should pay attention to the period prescribed by Treaty Article 22 (2).
- 3. Demand for copy of documents

Copy of the documents described in the international search report.

An applicant can request the copy of these cited documents to the Japanese Patent Office, however, National Center for Industrial Property Information (Japan Patent Office building 2nd floor) handles inspection and copying of official gazettes and copying of other document etc.

#### [Contact and Reference]

National Center for Industrial Property Information

〒100-0013

3-4-3 Kasumigaseki Chiyoda-ku Tokyo

(Japan Patent Office building 2nd floor)

(Official gazettes) Industrial Property Information Reference Department

TEL: 03-3581-1101 Ext. 3811,3812

(Others) Industrial Property Reference Materials Department TEL: 03-3581-1101 Ext. 3831,3832,3833

Japan Patent Information Organization also services sales of the copy of these cited documents. Those who request copying of the cited documents should pay attention to the following points.

#### [ApplicationMethod]

- (1) As for Patent (Utility Model, Design) Gazette, the following points shall be defined clearly.
  - O Types of patent, utility model, and design
  - O Fiscal year and number of publication of application or publication of unexamined application (or patent number, registration number)
  - O Necessary number of paper sheets
- (2) As for documents except for the gazette, the following points are required attention.
  - O Be sure to attach the copy of the international search report (which shall be returned).

#### [Application and Reference]

〒135-0016

4-1-7 Toyo Koto-ku, Tokyo

Sato Daiya Building

Foundation of Japan Patent Information Organization

**InformationProcessingDepartment** 

Copy Service section

TEL: 03-3508-2313

Note:

The period for requesting the copy of the documents to Japan Patent Office is set to 7 years from the international application date.

#### NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

#### INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report report and the written opinion of the International Searching Authority, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only (see PCT Applicant's Guide, Annexes B1 and B2).

#### What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

#### Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

#### What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

#### NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new:
- (iv) the claim replaces one or more claims as filed:
- (v) the claim is the result of the division of a claim as filed.

### The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- 1. [Where originally there were 48 claims and after amendment of some claims there are 51]: "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- 2. [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- 3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:

  "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or

  "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]:
  "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

#### "Statement under Article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact. that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

#### Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments and any accompanying statement, under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the time of filing the amendments (and any statement) with the International Bureau, also file with the International Preliminary Examining Authority a copy of such amendments (and of any statement) and, where required, a translation of such amendments for the procedure before that Authority (see Rules 55.3(a) and 62.2, first sentence). For further information, see the Notes to the demand form (PCT/IPEA/401).

If a demand for international preliminary examination is made, the written opinion of the International Searching Authority will, except in certain cases where the Authority which established the written opinion does not also act as International Preliminary Examining Authority, be considered to be a written opinion of the International Preliminary Examining Authority. In this case, the applicant is invited to submit to the International Preliminary Examining Authority a written reply together, where appropriate, with amendments before the expiration of 3 months from the date of mailing of Porm PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later (Rule 43bis.1(c)).

#### Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see the PCT Applicant's Guide, Volume II.

#### PATENT COOPERATION TREATY

RECEIVED

NOV. 1 6. 2004

OHTSUKA PAT

From the		
INTERNATIONAL.	SEARCHING	AITHORITY

To:

OHTSUKA, Yasunori

7th FL., SHUWA KIOICHO PARK BLDG., 3-6, KIOICHO, CHIYODA-KU, Tokyo 1020094 Japan

CANON KABUSHIKI KAISHA

**PCT** 

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing (day/month/year)

16.11.2004

Applicant's or agent's file reference
P204-0294WO
International application No.
PCT/JP2004/011644
International Patent Classification (IPC) or both national classification and IPC
Int.Cl 7 B41J 21/00, B41J 29/38, G06F 3/12

Applicant

FOR FURTHER ACTION
Sce paragraph 2 below
Priority date (day/month/year)
08.08.2003

Priority date (day/month/year)
08.08.2003

1. This opinion contains indications relating to the following items:    Box No. I   Basis of the opinion		****		
Box No. II Priority  Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability  Box No. IV Lack of unity of invention  Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicabilicitations and explanations supporting such statement  Box No. VI Certain documents cited  Box No. VII Certain defects in the international application  Box No. VIII Certain observations on the international application  1 a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of International Preliminary Bxamining Authority ("IPEA") except that this does not apply where the applicant chooses an Author other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.  If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPI a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Fo PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.  For further options, see Form PCT/ISA/220.	1.	This	opinion contains	s indications relating to the following items:
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability  Box No. IV Lack of unity of invention  Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicabilicitations and explanations supporting such statement  Box No. VI Certain documents cited  Box No. VII Certain defects in the international application  Box No. VII Certain observations on the international application  2. FURTHER ACTION  If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of International Preliminary Bxamining Authority ("IPBA") except that this does not apply where the applicant chooses an Author other than this one to be the IPBA and the chosen IPBA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.  If this opinion is, as provided above, considered to be a written opinion of the IPBA, the applicant is invited to submit to the IPI a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of For PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.  For further options, see Form PCT/ISA/220.		<b>/</b>	Box No. I	Basis of the opinion
Box No. IV Lack of unity of invention  Box No. V Reasoned statement under Rule 43bis 1(a)(i) with regard to novelty, inventive step or industrial applicabilicitations and explanations supporting such statement  Box No. VI Certain documents cited  Box No. VII Certain defects in the international application  Box No. VIII Certain observations on the international application  2. FURTHER ACTION  If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of International Preliminary Bxamining Authority ("IPEA") except that this does not apply where the applicant chooses an Author other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.  If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPI a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of FOPCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.  For further options, see Form PCT/ISA/220.			Box No. II	Priority
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Box No. VII Certain defects in the international application  Box No. VII Certain observations on the international application  FURTHER ACTION  If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Author other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that writt opinions of this International Searching Authority will not be so considered.  If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPI a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Fo PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.  For further options, see Form PCT/ISA/220.			Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
Box No. VIII Certain observations on the international application  2. FURTHER ACTION  If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that writt opinions of this International Searching Authority will not be so considered.  If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPI a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Fo PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.  For further options, see Form PCT/ISA/220.	•		Box No. VI	Certain documents cited
2. FURTHER ACTION  If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that writt opinions of this International Searching Authority will not be so considered.  If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPI a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Fo PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.  For further options, see Form PCT/ISA/220.			Box No. VII	Certain defects in the international application
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that writt opinions of this International Searching Authority will not be so considered.  If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPI a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Fo PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.  For further options, see Form PCT/ISA/220.			Box No. VIII	Certain observations on the international application
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that writt opinions of this International Searching Authority will not be so considered.  If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPI a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Fo PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.  For further options, see Form PCT/ISA/220.				
International Preliminary Examining Authority ("IPBA") except that this does not apply where the applicant chooses an Author other than this one to be the IPBA and the chosen IPBA has notified the International Bureau under Rule 66.1 bis(b) that writt opinions of this International Searching Authority will not be so considered.  If this opinion is, as provided above, considered to be a written opinion of the IPBA, the applicant is invited to submit to the IPI a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Fo PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.  For further options, see Form PCT/ISA/220.	2.	FUR	THER ACTION	
a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Fo PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.  For further options, see Form PCT/ISA/220.	•	Internother other	ational Prelimin than this one to	ary Examining Authority ("IPBA") except that this does not apply where the applicant chooses an Authority be the IPBA and the chosen IPBA has notified the International Bureau under Rule 66.1bis(b) that written
		a writ	ten reply togethe	er, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form
3. For further details, see notes to Form PCT/ISA/220.				
	·3.	For fu	orther details, see	e notes to Form PCT/ISA/220.
			***************************************	

Name and mailing address of the ISA/JP

Authorized officer

2P 3109

Japan Patent Office

HATAI JUNICHI

3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan | Telephone No. +81-3-3581-1101 Ext. 3221

Form PCT/ISA/237 (cover sheet) (January 2004)

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2004/011644

Box No. I	Basis of the opinion
which it was the Thi	rd to the language, this opinion has been established on the basis of the international application in the language in was filed, unless otherwise indicated under this item.  s opinion has been established on the basis of a translation from the original language into the following language, which is: the language of a translation furnished for the purposes of international search (under es 12.3 and 23.1(b)).
2. With rega	rd to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the vention, this opinion has been established on the basis of:
a. type of	material .
	a sequence listing
	table(s) related to the sequence listing
b. format	of material
	in written format
	in computer readable form
•	
c time of	filing/furnishing
	contained in the international application as filed.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
filed	ddition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been or furnished, the required statements that the information in the subsequent or additional copies is identical to that application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additions	1 comments:
•	
•	
•	
•	
•	-
	· · ·

### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/JP2004/ 011644

Box No. V	Reasoned statement u	nder Rule 4	3bis.1(a)(i) with regard to novelty, inventive step or industrial app ting such statement	licabilit
1. Statemen	t	٠		
Novel	ty (N)	Claims	2-10,12-18,20-51	YES
		Claims	1,11,19	NO
Invent	ive step (IS)	Claims	8-10,16-18,20-36	YES
		Claims	1-7,11-15,19,37-51	NO
Indust	rial applicability (IA)	Claims	1-51	YES.
		Claims	<del></del>	NO
: <u></u>			1, 7, 11, 37, 41, 46, 87	

2. Citations and explanations

<The following document has been considered for the purpose of this report:>

D1 = [JP 2001-298694 A]

D2 = [JP 2003-114780 A]

D3 = [JP 2003-175657 A]

Claims 1, 11 and 19 do not appear to be novel with respect to D1(see [Fig. 13]).

Claims 2 and 12 do not appear to involve an inventive step in view of D1 and D2(see [column 9, line 25 to column 16, line 19]).

Claims 3-6 and 13-15 do not appear to involve an inventive step in view of D1, D2 and D3(see [column 18, line 29-32]).

Claim 7 does not appear to involve an inventive step in view of D1 ,D2 and D3(see [column 17, line 1 to column 18, line 1]).

Claims 8-10, 16-18 and 20 are neither disclosed in any of the documents cited in the ISR nor obvious to a person skilled in the art.

Claims 21-36 are neither disclosed in any of the documents cited in the ISR nor obvious to a person skilled in the art.

Claims 37-51 do not appear to involve an inventive step in view of D1 and D2(see [column 9, line 25 to column 16, line 19]).

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/JP2004/011644

•	Certain published documents (R	ules 43bis.1 and 70.10)		
	Application No.  Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
	WO 03/085510 A1 [P,X]	16.10.2003	04.04.2003	05.04.2002

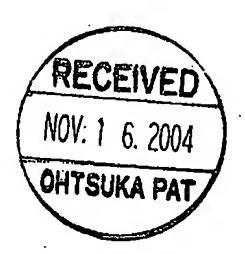
2.	Non-written disclosures (Rules 43bis.1 and 7	70.9)	
	Kind of non-written disclosure	Date of non-written disclosure	Date of written disclosure referring to non-written disclosure
	•	(day/month/year)	(day/month/year)

### PATENT COOPERATION TREATY

### **PCT**

#### INTERNATIONALSEARCHREPORT

(PCT Article 18 and Rules 43 and 44)



Applicant's or agent's file reference P204-0294WO	FORFURTHER ACTION as well	see Form PCT/ISA/220 as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/JP2004/011644	06.08.2004	08.08.2003
Applicant  CANON KABUSHIKI K	AISHA	
This international search report has been a to Article 18. A copy is being transmitted.  This international search report consists	ed to the International Bureau.	ity and is transmitted to the applicant according
	copy of each prior art document cited in this r	report.
1. Basis of the report		
a. With regard to the language, th	e international search was carried out on the less otherwise indicated under this item.	basis of the international application in the
the international search this Authority (Rule	ch was carried out on the basis of a translation 23.1(b)).	of the international application furnished to
b. With regard to any nucleot	ide and/or amino acid sequence disclosed in	the international application, see Box No. L.
2. Certain claims were foun	d unsearchable (See Box II).	:
3. Unity of invention is lack	ing (See Box III).	•
4. With regard to the title,	•	
the text is approved as sub	mitted by the applicant.	
the text has been established	ed by this Authority to read as follows:	
·	-	•
<u>.</u>	•	· ·
· · ·		·
	·	·
5. With regard to the abstract,		•
the text is approved as sub	mitted by the applicant.	•
the text has been established	d, according to Rule 38.2(b), by this Authority	as it appears in Box No. IV. The applicant
may, within one month from	n the date of mailing of this international search	ch report, submit comments to this Authority.
6. With regard to the drawings,	•	÷
a. the figure of the drawings to be	oublished with the abstract is Figure No	14
as suggested by the a	pplicant.	
as selected by this A	thority, because the applicant failed to sugge	est a figure.
as selected by this A	thority, because this figure better characteriz	zes the invention.
b. none of the figures is to be	published with the abstract.	

#### INTERNATIONALSEARCHREPORT

International application No.

PCT/JP2004/011644

#### A. CLASSIFICATIONOFSUBJECTMATTER

Int.Cl' B41J 21/00, B41J 29/38, G06F 3/12

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> B41J 21/00, B41J 29/38, G06F 3/12, H04N 5/76

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Japanese Utility Model Gazette 1922-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2004, Japanese Registered Utility Model Gazette 1994-2004, Japanese Gazette Containing the Utility Model 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

#### C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
x	JP 2001-298694 A (KONICA KABUSHIKIKAISHA)	1,11,19
<b>Y</b>	2001.10.26, figure 13& US 2001/0030692 A1	2-7,12-15,37 -51
A		8-10,16-18,2 0-36
Y	JP 2003-114780 A (SEIKO EPSON CORPORATION) 2003.04.18,column 9, line 25-column 16, line	2-7,12-15,37 -51
A	19 & US 2003/0093759 A1	8-10,16-18,2 0-36
Y	JP 2003-175657 A (SEIKO EPSON CORPORATION)	3-7,13-15
A	2003.06.24,column 18, line 29-32, & US 2003/0085942 A1	8-10,16-18,2 0-36
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V	Further documents are listed in the continuation of Box C.		See patent family annex.	•	
* "A" "E" "L" "O" "P"	Special categories of cited documents:  document defining the general state of the art which is not considered to be of particular relevance  carlier application or patent but published on or after the international filing date  document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  document referring to an oral disclosure, use, exhibition or other means  document published prior to the international filing date but later than the priority date claimed	"Y"	later document published after the in priority date and not in conflict with the understand the principle or theory und document of particular relevance; the be considered novel or cannot be do inventive step when the document is document of particular relevance; the be considered to involve an inventive combined with one or more other combination being obvious to a person document member of the same patern	the application iderlying the interest inverse considered to taken alone claimed inverse step when the r such document skilled in the	but cited to nvention ntion cannot involve an ation cannot document is nents, such
Date	of the actual completion of the international search 02.11.2004	Date	of mailing of the international search 16.11.2		
Name and mailing address of the ISA/JP  Japan Patent Office			orized officer TAI JUNICHI	2P	3109
3-4-	-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan	Telep	phone No. +81-3-3581-1101 E	xt. 3221	

Form PCT/ISA/210 (second sheet) (January 2004)

#### INTERNATIONALSEARCHREPORT

International application No. PCT/JP2004/011644

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where appropriate appropria	priate, of the relevant passages	Relevant to claim No.		
P,X	WO 03/085510 A1 (SEIKO EPSON CORPORATION)2003 Full text(FAMILY:NONE)	.10.16,	1-2,4-7,11-1 2,14-15,19,4 1-45,47,49,5		
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